

1645 #4  
8/30/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Stephanopoulos et al.

Application No.: 10/060,048

Filed: January 29, 2002

For: Defining Biological States and  
Related Genes, Proteins and Patterns



Examiner: To Be Assigned

Art Unit: 1645

Attorney Document No.: MTV-036.01

(20021-3601)

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on: June 14, 2002.

  
Daniel Murray

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 (b)(3)**

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Sir:

In compliance with the requirements of 37 C.F.R. 1.56 and 1.97(b)(3), submitted herewith on Form PTO-1449 is a list of publications known to Applicants and their Attorney/Agent. A copy of each publication is also being submitted herewith. Applicants respectfully request that the Examiner consider the listed publication and indicate they were considered by making appropriate notations on the attached Form 1449.

This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that the cited documents are material or constitute "prior art." If the Examiner applies the listed documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law

regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the referenced documents be applied against the claims of the present application.

Under 37 C.F.R. § 1.97 (b)(3), this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits; therefore, no fee is believed to be due in connection with this submission. However, the Commissioner is authorized to charge any deficiencies or credit any overpayment to/from our **Deposit Account, No. 06-1448**.

Date: ~~June~~ 13, 2002

**Customer No.: 25181**  
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Respectfully Submitted,



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Agent for Applicants

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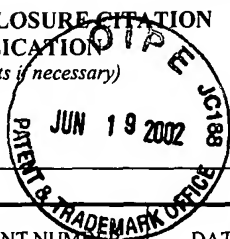
**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
*(Use several sheets if necessary)*

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1645

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	US 4,563,419	01/07/86	Ranki et al.	435	6
	AB	US 4,751,177	06/14/88	Stabinsky	435	6
	AC	US 5,143,854	09/01/92	Pirrung et al.	436	518
	AD	US 5,424,186	06/13/95	Fodor et al.	435	6
	AE	US 5,556,752	09/17/96	Lockhart et al.	435	6
	AF	US 5,578,832	11/26/96	Trulson et al.	250	458.1
	AG	US 5,593,839	01/14/97	Hubbell et al.	435	6
	AH	US 5,599,695	02/04/97	Pease et al.	435	91.1
	AI	US 5,631,734	05/20/97	Stern et al.	356	317
	AJ	US 6,051,380	04/18/00	Sosnowski et al.	435	6
	AK	US 6,083,697	07/04/00	Beecher et al.	435	6
	AL	US 6,197,599 B1	03/06/01	Chin et al.	436	518
	AM	US 6,225,047 B1	03/01/01	Hutchens et al.	435	5
	AN	US 6,329,209 B1	12/11/01	Wagner et al.	436	518

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**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	AO	WO 86/03782	07/03/86	PCT			X
	AP	WO 90/01564	02/22/90	PCT			X
	AQ	WO 95/22058	08/17/95	PCT			X
	AR	WO 97/02357	01/23/97	PCT			X
	AS	WO 97/27317	07/31/97	PCT			X
	AT	WO 97/29212	08/14/97	PCT			X
	AU	EP 0 728 520 A1	08/28/96	European Patent Application			X

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[illegible]

(Including Author, Title, Date, Pertinent Pages Etc.)

BA	Aiba et al.; " Sensor and Regulator Proteins from the Cyanobacterium <i>Synechococcus</i> Species PCCC7942 that Belong to the Bacterial Signal-transduction Protein Families: Implication in the Adaptive Response to Phosphate Limitation", <i>Molecular Microbiology</i> 8(1): 81-91, ( 1993)
BB	Aichi et al.; " Role of NtcB in Activation of Nitrate Assimilation Genes in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803", <i>Journal of Bacteriology</i> , 183(20): 5840-5847, (Oct. 2001)
BC	Alter et al.; " Singular Value Decomposition For Genome-Wide Expression Data Processing and Modeling", <i>PNAS</i> 97(18): 10101-10106, (August 29, 2000)
BD	Baier et al.; " Expression of Two nblA-Homologous Genes is Required for Phycobilisome Degradation in Nitrogen-starved <i>Synechocystis</i> sp. PCCC6803" <i>FEMS Microbiology Letters</i> 195:35-39, (2001)
BE	Bauer et al.; " Activation of NK Cells and T Cells by NKG2D, a Receptor for Stress-Inducible MICA", <i>Science</i> 285: 727-729, (30 July 1999)
BF	Bhaya et al.; " Isolation of Regulated of the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803 by Differential Display", <i>Journal of Bacteriology</i> , 182(20): 5692-5699, (Oct. 2000)
BG	Choi and Lee,; " Economic Considerations in the Production of Poly(3-Hydroxybutyrate-co-3-hydroxyvalerate) by Bacterial Fermentation", <i>Appl. Microbiol. Biotechnol.</i> 53:646-649, (2000)
BH	Collier and Grossman,; " A Small Polypeptide Triggers Complete Degradation of Light-Harvesting Phycobiliproteins in Nutrient-Deprived Cyanobacteria", <i>The EMBO Journal</i> 13 (5):1039-1047, (1994)

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BI	Fujii et al.; "Identification of Neomedin U as the Cognate Ligand of the Orphan G Protein-coupled Receptor FM-3", The Journal of Biological Chemistry, 275(28): 21068-21074, (2000)
BJ	Golub et al.; "Molecular Classification of Cancer: Class Discovery and Class Prediction by Gene Expression Monitoring", Science 286: 531-537, (15 Oct. 1999)
BK	Hein et al.; "Synechocystis sp. PCC6803 Possesses a Two-Component Polyhydroxyalkanoic Acid Synthase Similar to that of Anoxygenic Purple Sulfur Bacteria", Arch. Microbiol. 170: 162-170, (1998)
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BP	Hughes et al.; "Functional Discovery Via a Compendium of Expression Profiles", Cell 102: 109-126, (July 07, 2000)
BQ	Karr et al.; "analysis of Poly- $\beta$ -Hydroxybutyrate in Rhizobium Japonicum Bacteroids by Ion-Exclusion High-Pressure Liquid Chromatography and UV Detection", Applied and Environmental Microbiology, 46(6): 1339-1344, (Dec. 1983)
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BT	Lee et al.; "Recent Advances in Polyhydroxyalkanoate Production by Bacterial Fermentation: Mini- Review", International Journal of Biological Macromolecules 25: 31-36, (1999)
BU	Leethanakul et al.; "Gene Expression Profiles in Squamous Cell Carcinomas of the Oral Cavity: Use of Laser Capture Microdissection for the Construction and Analysis of Stage-specific cDNA Libraries", Oral Oncology 36: 474-483, (2000)
BV	Liu and Steinbuechel; "A Novel Genetically Engineered Pathway for Synthesis of Poly (Hydroxyalkanoic Acids) in Escherichia Coli", Applied and Environmental Microbiology, 66(2): 739-743, (Feb. 2000)
BW	Miyake et al.; "Polyhydroxybutyrate Production from Carbon Dioxide by Cyanobacteria", Applied Biochemistry and Biotechnology, 84-86: 991-1002, (2000)
BX	Miyake et al.; "Control of Poly- $\beta$ -Hydroxybutyrate Synthase Mediated by Acetyl Phosphate in Cyanobacteria", Journal of Bacteriology, 179(16): 5009-5013, (August 1997)
BY	Murray et al.; "Cytochrome P450 Expression in Oesophageal Cancer", Gut 35: 599-603, (1994)

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